



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Keolian et al.

Atty. Docket No.: PST-11302/36

Serial No.: 10/810,907

Group Art Unit: 2834

Filed: March 26, 2004

Examiner:

For: THERMOACOUSTIC PIEZOELECTRIC GENERATOR

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR BEFORE MAILING  
OF FIRST OFFICE ACTION (37 CFR 1.97(b))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last. 37 CFR 1.97(b).

Date: September 10, 2004

Douglas L. Wathen (Reg. No. 41,369)  
GIFFORD, KRASS et al  
280 N. Old Woodward Ave., Ste 400  
Birmingham, MI 48009  
FAX 734/913-6007

Tel. No.: 734/913-9300

---

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Date September 10, 2004

  
Ann K. Andrusiak



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Keolian et al.

Atty. Docket No.: PST-11302/36

Serial No.: 10/810,907

Group Art Unit: 2834

Filed: March 26, 2004

Examiner:

For: THERMOACOUSTIC PIEZOELECTRIC GENERATOR

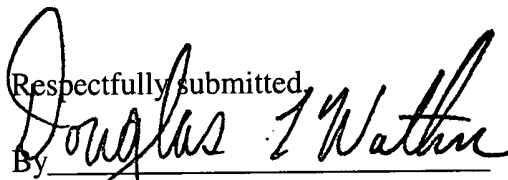
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. §1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on attached Form PTO-1449 be considered by the Examiner and made of record.

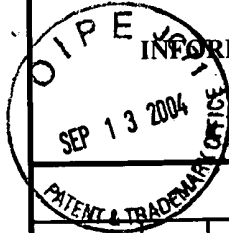
In accordance with 37 C.F.R. §1.97(b), this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possible material information as defined in 37 C.F.R. §1.56(a) exists.

Respectfully submitted,  


By  
Douglas L. Wathen  
Reg. No.41,369

Date: September 10, 2004

GIFFORD, KRASS, GROH, SPRINKLE, ANDERSON & CITKOWSKI, P.C. 280 N. OLD WOODWARD AVENUE, STE. 400, BIRMINGHAM, MICHIGAN 48009-5394 (248) 647-8100



**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Docket Number (Optional) <b>PST-11302/36</b>	Application Number <b>10/810,907</b>
Applicant(s) <b>Keolian et al.</b>	
Filing Date <b>March 26, 2004</b>	Group Art Unit <b>2834</b>

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,822,388	7/2/1974	Martini et al.	310	2	
		5,996,345	12/7/1999	Hofler	60	517	
		6,032,464	3/7/2000	Swift et al.	60	520	
		6,314,740	11/13/2001	De Blok et al.	62	6	
		6,574,968	6/10/2003	Symko et al.	62	6	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2004/0000150	1/1/2004	Symko et al.	62	6	6/10/2003

**FOREIGN PATENT DOCUMENTS**

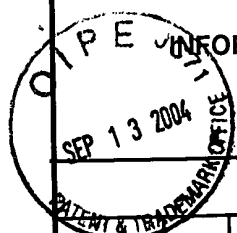
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		WO99/20957	4/29/1999	De Blok et al.			✓	
		WO02/086445 A2	10/31/2002	Corey			✓	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

		W.C. Ward et al., "Thermoacoustic Engine Scaling, Acoustic and Safety Study," Los Alamos National Laboratory unclassified report LA-12103-MS, 1991.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



ATTY DOCKET NO. <b>PST-11302/36</b>	APPLICATION NO. <b>10/810,907</b>
APPLICANT(S) <b>Keolian et al.</b>	
FILING DATE <b>March 26, 2004</b>	GROUP ART UNIT <b>2834</b>

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,005,319	1/25/1977	Nilsson et al.	310	339	
	4,467,236	8/21/1984	Kolm et al.	310	321	
	4,504,761	3/12/1984	Triplett	310	339	
	4,511,818	4/16/1985	Benjamin et al.	310	338	
	5,431,694	7/11/1995	Snaper et al.	607	35	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

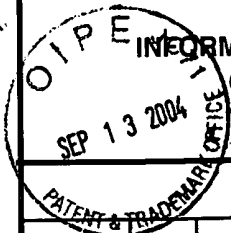
**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

ATTY DOCKET NO.  
**PST-11302/36**

APPLICATION NO.  
**10/810.907**

**Keolian et al.**

FILING  
**March 26, 2004**

GROUP ART  
**2834**

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,814,921	9/29/1998	Carroll	310	339	
	6,194,815	2/27/2001	Carroll	310	339	
	6,429,576	8/6/2002	Simes	310	339	
	4,398,398	8/16/1983	Wheatley et al.	62	467	
	4,489,553	12/25/1984	Wheatley et al.	60	516	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

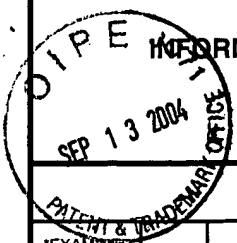
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


**EXAMINER**

**DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

ATTY DOCKET NO. <b>PST-11302/36</b>	APPLICATION NO. <b>10/810.907</b>
<b>Keolian et al.</b>	
FILING <b>March 26, 2004</b>	GROUP ART <b>2834</b>

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,722,201	2/2/1988	Hofler et al.	62	467	
	4,623,808	11/18/1986	Beale et al.	310	15	
	5,389,844	2/14/1995	Yarr et al.	310	15	
	4,114,380	9/19/1978	Ceperley	60	721	
	4,355,517	10/26/1982	Ceperley	60	721	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

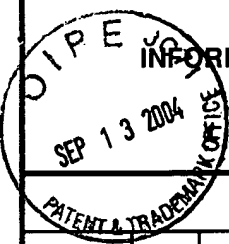
**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

ATTY DOCKET NO. <b>PST-11302/36</b>	APPLICATION NO. <b>10/810.907</b>
<b>Keolian et al.</b>	
FILING <b>March 26, 2004</b>	GROUP ART <b>2834</b>

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,578,364	6/17/2003	Corey	62	6	
	6,604,363	8/12/2003	Corey et al.	62	6	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.